

assessed as NOP non-synthetic (natural)
using NOP guidance doc 5033-1

APPROVED BY NCO

SAFETY DATA SHEET

PryoAg - PYROLIGNEOUS ACID

Date: 02/10/2020

Release Edition: 2.1

1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER

Company: PyroAg Pty Ltd
Address: 11 Boola Place Dee Why NSW 2099
Phone: 02 9999 3333
Email: info@pyroag.com
Website: www.pyroag.com

Emergency Contacts: 1. Australian Emergency Services Phone: (24hrs) 000
2. Australian Poisons Information Centre Phone: (24hrs) 131 126

Product Brand: **PyroAg**
Product Name: Pyroligneous Acid (Natural)
Other Names: Wood Vinegar
Recommended Use: Agricultural & Horticultural Applications

2. HAZARDS IDENTIFICATION

Hazard Classification: 1. Not classified as a hazardous substance according to criteria of the NOHSC
2. Not a Scheduled Poison on the TGA Poisons Act
3. Not classed as a dangerous good under the ADG code

3. COMPOSITION INFORMATION

It is a complex natural liquid manufactured by the process of pyrolysis from natural agricultural crop and raw forestry timber.

Main Ingredient	CAS	Concentration
Pyroligneous Acid	8030-97-5	100%
Main component - Acetic Acid	64-19-7	<8%

4. FIRST AID MEASURES

Eye contact	Flush eyes with copious amounts of water for at least 15 minutes. Seek medical attention.
Skin contact	Wash contacted area with soap and water
Inhalation	Move to fresh air.
Ingestion	DO NOT induce vomiting, wash mouth with copious amounts of water. Seek medical attention

5. FIREFIGHTING MEASURES

No flash point was observed using ASTM D93 - Procedure A.
Not classified as a dangerous good
Use water spray or fog, foam, dry chemical, or carbon dioxide

6. ACCIDENTAL RELEASE

Wear appropriate protective equipment and ensure area is adequately ventilated. Clean up methods depend on environment; absorption or dilution with plenty of water.

7. HANDLING AND STORAGE

Acidic in nature. Handle with care and avoid contact with eyes and skin. Use in a well ventilated area and avoid exposure by wearing appropriate protective equipment. Practice good personal hygiene. Keep containers tightly closed, stored in a cool, dry, well ventilated area away from heat and incompatibles.
Keep out of reach of Children.

8. EXPOSURE CONTROLS AND PPE

National exposure standards:	Acetic Acid (100%): [TWA] 10ppm, 25mg/m3 [STEL] 15ppm, 37mg/m3
Engineering controls:	Adequate ventilation is required to keep concentration below exposure limits.
Personal protective equipment:	Safety glasses, gloves, clothing to cover skin

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Amber liquid
Odour	Smokey wood
pH	Between 2.3 - 2.6

Boiling point	Approx 100oC
Solubility	Soluble in water
Specific Gravity	1.08
Flash point	No flash point was observed using ASTM D93 - Procedure A.

10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended conditions for use and storage.
Incompatible materials	Strong alkalis

11. TOXICOLOGICAL INFORMATION

Toxicology info	ACETIC ACID Toxicity Data Oral LD50 (rat): 3300 mg/kg; Dermal LD50 (rabbit): 1100 mg/kg. Target Organs: Eyes, skin, respiratory system and gastro-intestinal
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Health Hazard	No adverse health effects expected if the product is handled in accordance with this SDS and product label. Contact to eyes and skin can cause irritation.
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Carcinogenicity	Not classified under NOHSC
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12. ECOLOGICAL INFORMATION

Safe when used as directed, always use diluted.

13. DISPOSAL

Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Dangerous Goods (ADG) Code.

15. REGULATORY INFORMATION

Not classed as hazardous substance AICS
No specific requirements according to NOHSC
Use as directed to comply with AgVet code

Section 16: OTHER INFORMATION

Mixing: Always use the product diluted with water as per product label. When mixing, firstly fill water tank halfway before adding product during stirring. Can be used with most other farm chemicals when diluted in tank first - always test compatibility on small sample. Do not mix directly with other strong alkaline chemicals.

References:

1. APVMA - AgVet Chemical Code Act 1994
2. NICNAS - National Industrial Chemicals Scheme
3. TGA - Therapeutic Goods Administration - SUSMP6 Poisons Standard 2015:
4. National Occupational Health and Safety Commission (NOHSC)
5. Safework Australia classifying hazardous chemicals
6. Worksafe Australia exposure to Airborne Contaminants
7. ADG - Australian Code for Dangerous Goods 7.3
8. OCS database - Toxicology information of chemicals
9. NPI - National Pollution Inventory reporting standards
10. Safework Australia - Hazardous Substances in the workplace code
11. GRAS Register for Oral Nutritional Compounds (NZ Food Safety)
12. U.S. Food and Drug Administration
13. U.S. Environmental Protection Agency